Chicago Pneumatic
6 EAST 44th STREET, NEW YORK 17, N.Y.

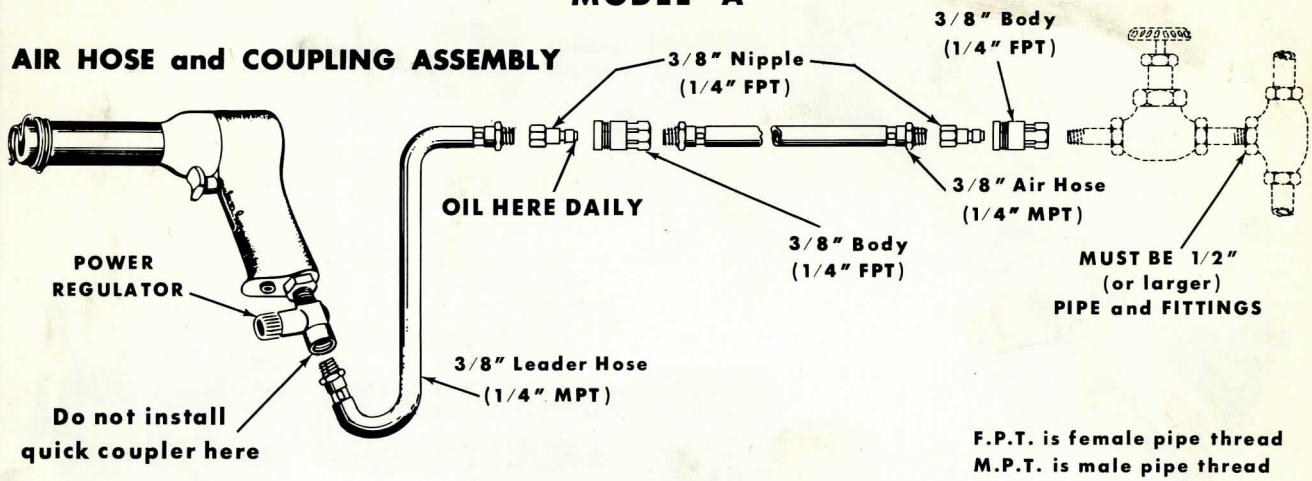
PARTS LIST PNEUMATIC D-219-B

Sixth Edition Dated MAY, 1962

Parts List Pneu D-219-B
Chicago Pneumatic
6 EAST 44th STREET, NEW YORK 17, N.Y.

Supersedes Fifth Edition, OCTOBER, 1961

CP-714 ZIP-GUN
MODEL "A"


AIR HOSE and COUPLING ASSEMBLY
3/8" Nipple (1/4" FPT)
3/8" Body (1/4" FPT)
OIL HERE DAILY
3/8" Air Hose (1/4" MPT)
3/8" Body (1/4" FPT)
POWER REGULATOR
MUST BE 1/2" (or larger) PIPE and FITTINGS
3/8" Leader Hose (1/4" MPT)
Do not install quick coupler here
F.P.T. is female pipe thread
M.P.T. is male pipe thread

MAINTENANCE INSTRUCTIONS

LUBRICATION

Daily before using, and at the end of each shift, disconnect the air hose and pour a liberal quantity of gum solvent oil into the air inlet. Connect Zip-Gun to air line and WITH A CHISEL IN THE TOOL AND THE CHISEL AGAINST A FIRM SUPPORT, operate Zip-Gun to allow oil to be carried into the interior and to flush accumulations of gum and dirt out the exhaust.

Before storing Zip-Gun, lubricate liberally as described above in order to coat valve and cylinder with oil and to help prevent rust and corrosion.

AIR SUPPLY

Use of a one horsepower or larger air compressor with a 4 1/2 CFM delivery at 100 psi connected to an air tank of at least 40 gallons capacity is recommended.

Pipe and fittings between the compressor and hose outlets should be 1/2" pipe size (5/8" I.D.) or larger. Check piping to be sure there are no dips or sags where moisture can collect and restrict air flow.

At normal pressure all hose should be 3/8" I.D. or larger. Quick couplers, as shown in the illustration above, may be used except at the tool itself where they put excessive strain on the air regulator threads and increase the overall size of the tool.

Even where higher pressures exist, the use of smaller air hose is not recommended.

> IMPORTANT: For rated performance, 100 psi of clean, dry air is required AT THE ZIP-GUN. The above recommendations are minimum requirements for obtaining the volume and pressure of air required for satisfactory tool performance.

OPERATION

Before starting work, drain water out of compressor tank and blow condensation from the air line. Blow down compressor more frequently in hot, humid weather. The use of air line filters and lubricators is recommended.

After clearing compressor of moisture and lubricating tool, connect Zip-Gun to air hose, press against tail end of retainer, insert proper chisel as far as possible into cylinder and release retainer.

> CAUTION: Always have a chisel in the tool and the chisel held against the work or a firm support before depressing throttle. If piston is allowed to strike retaining wall in cylinder, breakage could result.

Cold chisels are normally operated at fast speeds unless used on light work. Grind cutting edge to split nuts, shear rivets, break or trim welds or for other, similar jobs.

Panel cutters are operated at a slight angle, with Zip-Gun handle parallel to the work surface on such jobs as removing rocker panels, rear quarter panels, turret tops, etc.

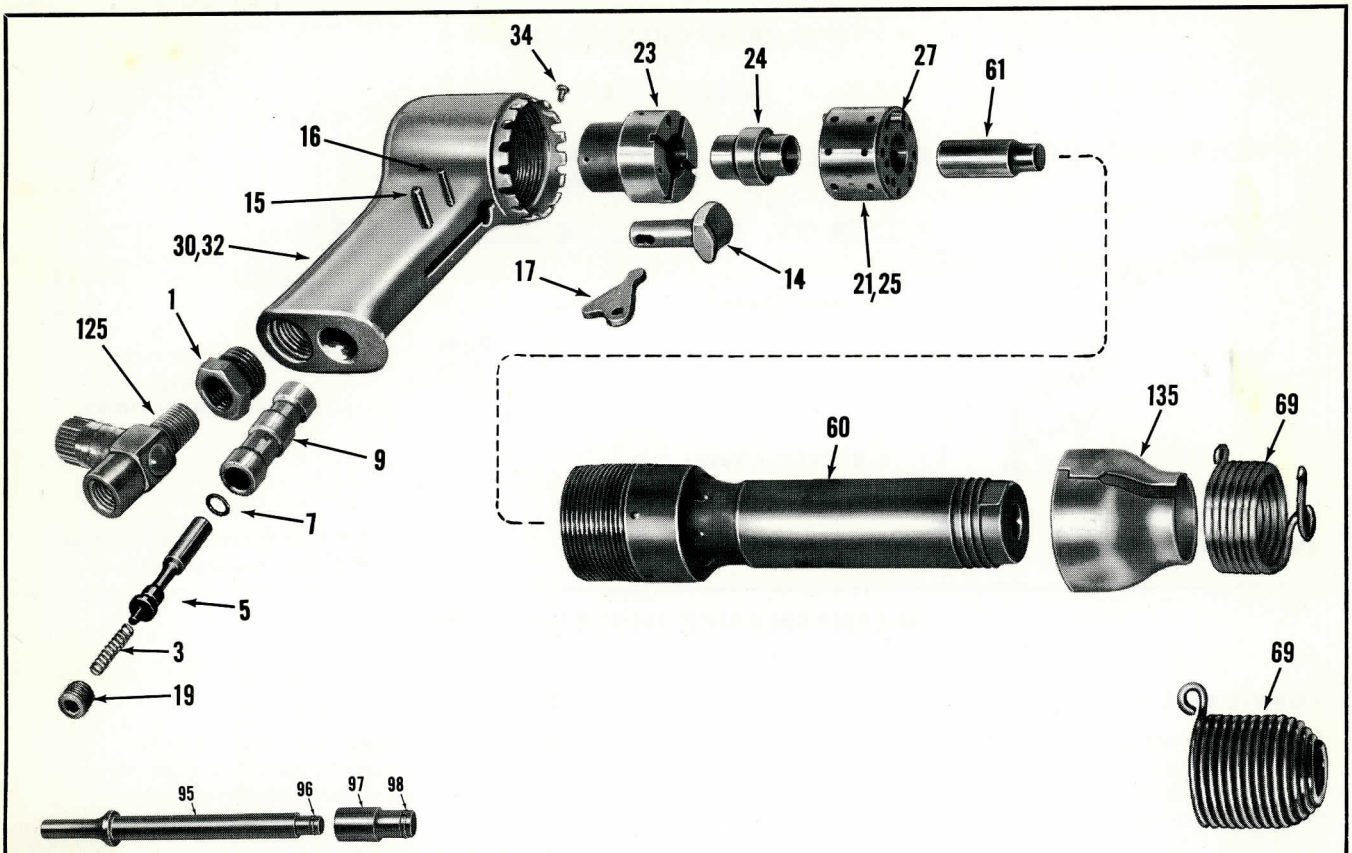
Edger chisels should be operated at very slow speed at first, with the speed gradually increased until the edger will leave a clean trimming cut on a SINGLE THICKNESS of metal. Operate the edger with the heel of the chisel on the work and avoid excessive power which will damage the chisel.

Goo scrapers and rivet cutters should be operated at moderate speed and held approximately at 45° to the work surface.

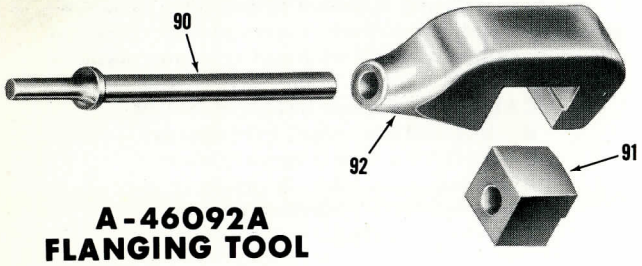
Keep all chisels and cutters sharpened for best Zip-Gun performance.

(Continued on page 3)

CP-714 ZIP-GUN
MODEL "A"

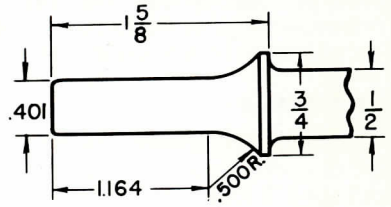


A-46056A DRIVING MANDREL



A-46092A FLANGING TOOL

CHISEL SHANK DIMENSIONS



PARTS LIST

Index No.	CP Part No.	Description	No. Req'd.
1	P-73780P	Air Inlet Bushing (3/4" To 1/4")	1
3	P-9875P	Throttle Valve Spring	1
5	P-43238P	Throttle Valve	1
7	P-83076P	"O" Ring	1
9	P-71118P	Throttle Valve Bushing	1
14	P-71565P	Throttle Push Button	1
15	P-9879P	Throttle Lever Pin	1
16	G-71667P	Valve Lever Stop Pin	1
17	P-71564P	Throttle Lever Link	1
19	P-9876P	Throttle Valve Plug	1
20	P-43239P	Throttle Valve Comp. (Incl: Index No's. 5 & 7)	1
21	P-7835P	Valve Case Assembly (Incl: No's. 23, 24, 25 & 27)	1
23	P-70557P	Valve Case Lid	1
24	P-70555P	Valve	1
25	P-70556P	Valve Case	1
27	P-70558P	Valve Case Dowel	1

Index No.	CP Part No.	Description	No. Req'd.
30	A-87075P	Handle Assembly (Incl: Index No's. 3, 14, 15, 16, 17, 19, 20, 32, 125)	1
32	A-87074P	Handle (Incl: Index No's. 1 & 9)	1
34	P-70552P	Cylinder Lock Pin	1
60	A-88297P	Cylinder	1
61	P-71926P	Piston	1
69	A-92007P	Retainer (Quick Change)	1
	P-71928P	Retainer (Bee-Hive Type)	1
90	A-92037P	Forming Die Shank	1
91	A-92039P	Forming Die	1
92	A-92038P	Yoke	1
95	A-51507P	Mandrel (Incl: No. 96)	1
96	CA-92093P	Retainer Ring	1
97	A-51744P	Adapter (Incl: No. 98)	1
98	C-78709P	Retainer Ring	1
125	CA-85203P	Air Regulator (To Replace Seal, Order P-83071P "O" Ring)	1
135	P-70554P	Exhaust Deflector	1

MAINTENANCE INSTRUCTIONS, CONTINUED

LOSS OF POWER OR ERRATIC ACTION

Loss of power or erratic action may be caused by factors outside the tool. Make the following checks.

1. Check for low air pressure or restrictions in the air line (see Air Supply).
2. Blow down compressor and air line to clear water from line (see Operation).

If air supply is in order, proceed as follows.

3. Flush out tool with a liberal quantity of gum solvent oil or light oil mixed with an equal amount of kerosene.
4. Disassemble tool (see Disassembly & Assembly), thoroughly clean and inspect for worn or damaged parts. Be sure valve works freely and air porting is unobstructed. Replace damaged parts or forward tool to nearest CHICAGO PNEUMATIC Service Station (see Replacement Parts).

DISASSEMBLY & ASSEMBLY

DISASSEMBLY

1. Unscrew chisel retainer (69) from cylinder (60) and remove exhaust deflector (135).
2. Remove cylinder lock pin (34) from cylinder and unscrew cylinder from handle (32).
3. Remove valve case lid (23), valve (24), valve case (25) and piston (61) from cylinder.
4. Unless replacement is necessary, do not remove dowel (27) from valve case.
5. Remove air regulator (125) and air inlet bushing (1) from handle.
6. Remove throttle valve plug (19) from handle and remove throttle spring (3), throttle valve (5) and "O" ring (7).
7. If replacement of parts is necessary, drive valve lever stop pin (16) and throttle lever pin (15) out of handle and remove throttle lever push button (14) and throttle lever link (17).

ASSEMBLY

1. Insert tang of throttle lever link (17) in throttle push button (14) and place parts in handle (32). Drive throttle lever pin (15) through handle and link and drive lever stop pin (16) through handle.
2. Assemble "O" ring (7), throttle valve (5) and throttle spring (3) in handle and screw throttle valve plug (19) down tightly in handle.
3. Screw air inlet bushing (1) tightly into handle and screw air regulator (125) into bushing.
4. Press new valve case dowel (27) into valve case (25) so that pin projects equally on both sides of case.
5. Before assembling valve case and valve case lid (23) inspect porting in lid and be sure it is clean and open. Pass wire through .040" hole in interior of valve case to be sure it is free from obstruction. See fig. 1.

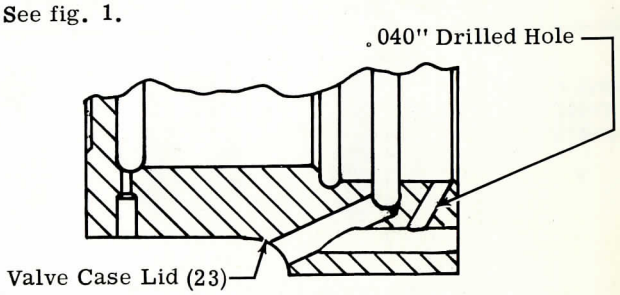


Fig. 1

6. Assemble valve case lid (23) on valve (24). Align dowel pin in valve case with dowel hole in lid (marked "O" on side of lid) and push lid down on case.
7. Drop piston (61) into cylinder (60), small end first. Align dowel pin in valve case with dowel hole in cylinder (located by mark scored on face of cylinder) and push valve case assembly into cylinder.
8. Screw handle down tight on cylinder. Drop lock pin (34) into hole in cylinder which is in line with notch on handle. It may be necessary to tighten or loosen handle slightly to obtain alignment.
9. Slip exhaust deflector (135) on cylinder. Be sure deflector is seated in relief groove and cannot slip off cylinder.
10. Screw chisel retainer (69) on end of cylinder.

REPLACEMENT PARTS

Replacement parts or service may be obtained from your local jobber or the nearest CHICAGO PNEUMATIC Service Station listed in SP-4025.

When replacement parts are required, order by CP Part No. and Description in the Parts List.

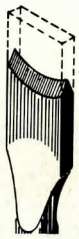
SUGGESTIONS

FOR ADAPTING STANDARD ZIP-GUN CHISELS TO SUIT YOUR NEEDS.

THESE EASY-TO-MAKE TOOLS CAN BE GROUND FROM THE BASIC CHISELS SHOWN BELOW.
NOTE: WHILE GRINDING CHISELS FREQUENTLY COOL IN WATER TO AVOID BURNING THE STEEL AND CHANGING THE TEMPER. YOUR OWN NEEDS WILL SUGGEST ADDITIONAL WORK SAVING SHAPES.

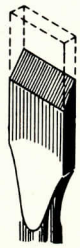
THIN CHISEL SHAPES

A-46072A

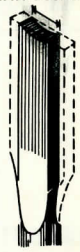


A-46075A

SPOT WELD CUTTER

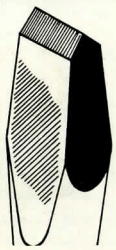


WOOD CHISEL

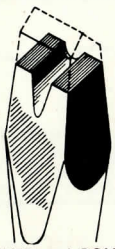


BUSHING SPLITTER

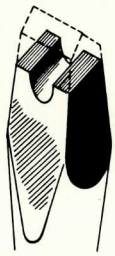
HEAVY CHISEL SHAPES



A-46073A



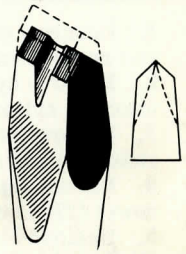
RIVET and BOLT CUTTER



HINGE PIN PULLER

RIVET BUSTER

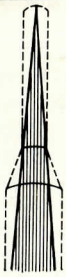
PANEL CUTTER



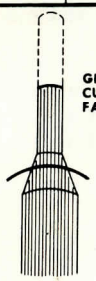
SPOT WELD BUSTER

PUNCH SHAPES

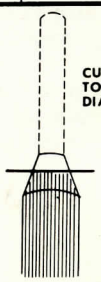
A-46078A



PUNCH



PEENING TIP



KINGPIN DRIVER

VALVE GUIDE DRIVER

CHICAGO PNEUMATIC BRANCH OFFICES

ATLANTA 9, GA. . . . . 517 Armour Circle, N.E. (Phone: 874-8696)
Birmingham 4, Ala. . . . . 810-5th Avenue North (Phone: ALpine 1-6289)
BOSTON 35, MASS. . . . . 76 Lincoln St. (Brighton) (Phone: STadium 2-8088)
CHICAGO 19, ILL. . . . . 936 E. 87th St. (Phone: HUdson 8-2400)
Milwaukee, Wis. . . . . 5820 W. Blue Mound Rd. (Phone: Blue Mound 8-2080)
Minneapolis 6, Minn. . . . . 2812 East 26th Street (Phone: PArkway 1-5725)
DENVER 4, COLO. . . . . 505 Bryant Street (Phone: 292-1292)
Salt Lake City 1, Utah . . . . . 156 West 4th South (Phone: ELgin 5-2985)
DETROIT 26, MICH. . . . . 570 East Larned Street (Phone: WOodward 1-3841)
Cleveland 14, Ohio . . . . . 1643 Superior Avenue (Phone: MAin 1-8065)
Cincinnati 29, Ohio . . . . . 4511 Reading Road (Phone: JEfferson 1-6325)
Indianapolis, Indiana . . . . . 3760 Kinnear Ave. (Phone: WAlnut 3-2547)
HOUSTON 23, TEXAS . . . . . 2120 Canada Dry St. (Phone: WAlnut 3-4601)
Dallas 7, Texas . . . . . 2257 Vantage Street (Phone: MElrose 1-0230)
New Orleans, La. . . . . 3303 Tulane Ave. (Phone: HUnter 2-5715)
LOS ANGELES 22, CALIF. . . . . 6935 Bandini Blvd. (Phone: RAymond 3-8731)
NEW YORK 17, N.Y. . . . . 6 East 44th Street (Phone: MUrray Hill 7-1700)
PHILADELPHIA, PA. . . . . 312 E. Lancaster Ave., Wynnewood, Pa. (Phone: MIdway 9-9300)
PITTSBURGH 13, PA. . . . . 369 Coltart Avenue (Phone: MUseum 1-9822)
Buffalo 23, N.Y. . . . . 1591 Kenmore Avenue (Phone: TRinity 3-1067)
ST. LOUIS 17, MO. . . . . 8029 Litzsinger Rd. (Phone: MIssion 5-7511)
Kansas City 11, Mo. . . . . 7903 East 50 Highway (Phone: FLeming 6-3623)
Tulsa 15, Okla. . . . . 2239 N. Harvard Ave. (Phone: WEbster 9-4475)
SAN FRANCISCO, CALIF. . . . . 145 Mitchell Ave., So. San Francisco, Calif. (Phone: JUno 9-2342)
SEATTLE 4, WASHINGTON . . . . . 2901 First Avenue So. (Phone: MAin 2-3930)

EMSS-BP-6-62

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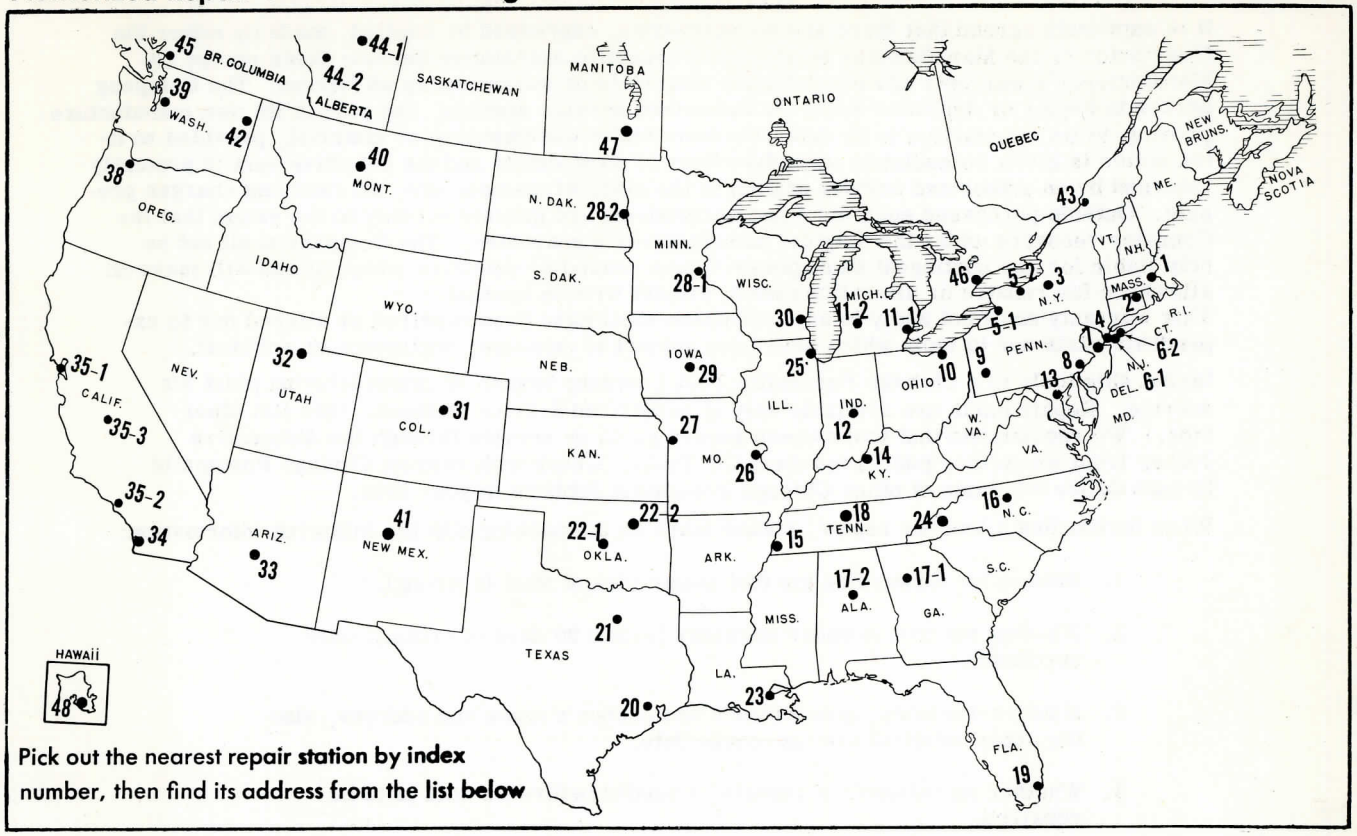
Authorized Repair Stations For Chicago Pneumatic Automotive Tools

SP-4025

33 rd Edition JANUARY, 1964



Pick out the nearest repair station by index number, then find its address from the list below

1 - (A) Boston Hydraulic Service
1182 Columbus Avenue
Boston 31, Mass.

2 - (B) John The Jack Man
P. O. Box 33
Stafford Springs, Conn.

3 - (B) Duplex Equipment Co.
213 Grand Avenue
Syracuse 4, New York

4 - (A) Corona Air Equipment Co., Inc.
960 Close Avenue
Bronx 72, New York

5-1- (B) Buffalo Hyd. Jack Service
1675 Broadway
Buffalo 12, New York

5-2- (C) Buffalo Hyd. Jack Service
16 Leavenworth Street
Rochester, New York

6-1 - (A) White Tool Service
1386 Bushwick Avenue
Brooklyn, New York

6-2 - (C) White Tool Service
223 Hempstead Turnpike
West Hempstead, N.Y.

7 - (A) The Air-Drolics Co.
735 Lincoln Blvd.
Middlesex, N.J.

8 - (A) Equipment Service Company
1921 Callow Hill Street
Philadelphia 30, Pennsylvania

9 - (A) Mac's Hyd. Jack & Equip. Serv.
5804 Centre Avenue
Pittsburgh 6, Pennsylvania

10 - (A) Electrical Tool Service, Co.
3734 Payne Avenue
Cleveland 14, Ohio

11-1- (A) Hydraulic Service, Inc.
2715 Fifth Street
Detroit 1, Michigan

11-2- (C) Hydraulic Service Inc.
449 Market Street S.W.
Grand Rapids, Michigan

12 - (A) Electric Tool & Motor Serv. Inc.
1001 No. Illinois St.
Indianapolis 4, Indiana

13 - (A) Baltimore Hydraulics, Inc.
108 Front Street
Baltimore 2, Maryland

14 - (A) Queen Hydraulics Co.
1226 Rowan Street
Louisville 3, Kentucky

15 - (B) Jack Flint & Sons
244 Jefferson Avenue
Memphis, Tennessee

16 - (A) Power Tool Service, Inc.
867 Huffman Street
Greensboro, N.C.

17-1- (A) Tool Service Company
225 Simpson Street, N.W.
Atlanta 13, Georgia

17-2- (C) Tool Service Company
716 13th Street North
Birmingham, Alabama

18 - (B) Tennessee Electric Motor Co.
408 6th Avenue South
Nashville, Tennessee

19 - (A) Nieman-Wilson, Inc.
274 N.W. 54th Street
Miami 37, Florida

20 - (A) Hydraulic Equipment Service Co.
1021 North San Jacinto Street
Houston 2, Texas

21 - (A) Commercial Parts, Inc.
3806 Ross Avenue
Dallas 4, Texas

22-1- (B) Hydraulic Equipment Company
417 West California Street
Oklahoma City 4, Oklahoma

22-2- (C) Hydraulic Equipment Company
2221 S.W. Blvd.
Tulsa, Oklahoma

23 - (A) Beerman Precision Mach. Wks.
2021 Thalia Street
New Orleans 12, La.

24 - (A) Retreaders Supply Company
35 Eagle Street
Asheville, North Carolina

25 - (A) Servall Engineering Co.
3937 North Kedzle Ave.
Chicago 18, Illinois

26 - (A) Standard Electric Co., Inc.
3880 Washington Blvd.
St. Louis 8, Missouri

27 - (A) Heath Electric Service Co.
518-20 East 16th Street
Kansas City 8, Missouri

28-1- (A) General Parts & Supply Co., Inc.
593 No. Fairview
St. Paul 4W, Minnesota

28-2- (C) General Parts & Supply Co., Inc.
806 Main Avenue
Fargo, N. Dakota

29 - (A) Turner's Hydraulic Service
1617 - 6th Avenue
Des Moines 14, Iowa

30 - (A) Hader Industries
4916 N. 125th Street
Butler, Wisconsin

31 - (A) Automotive Tool Service
859 Santa Fe Drive
Denver 4, Colorado

32 - (B) Wilson Transport Supply Co.
665 South State Street
Salt Lake City, Utah

33 - (A) Air Draulics Company
3135 N. 29th Avenue
Phoenix 17, Arizona

34 - (B) Authorized Equipment Serv.
420 West Beech Street
San Diego 1, California

35-2- (A) Kimmerle Bros.
2300 S. Hill Street
Los Angeles 7, Calif.

35-3- (C) Kimmerle Bros.
2230 Inyo Street
Fresno 21, Calif.

35-1- (A) Kimmerle Bros.
226 - 11th Street
San Francisco 3, Calif.

38 - (A) Karn Repair Service, Inc.
1215 S. W. 16th Avenue
Portland 5, Oregon

39 - (A) Universal Repair Shop
1611 Boylston Avenue
Seattle 22, Washington

40 - (C) Mosch Electric Company
109 Second St. South
Great Falls, Montana

41 - (C) Appliance Service Center
5505 Silver Avenue S.E.
Albuquerque, New Mexico

42 - (C) K & N Electric Motors, Inc.
1311 N. Washington Street
Spokane 1, Washington

43 - (A) Instrument Sales & Service
1089 Bleury Street
Montreal, Quebec

44-1- (C) Paramount Industries, Ltd.
1029 9th Avenue
Calgary, Alberta

44-2- (C) Paramount Industries, Ltd.
10560 - 115th Street
Edmonton, Alberta

45 - (C) Hyd. Service & Equip. Co., Ltd
100 East 2nd Avenue
Vancouver, British Columbia

46 - (A) Canadian Pneu. Tool Co. Ltd.
198 Evans Avenue
Toronto 14, Ontario

47 - (C) Kings Electric Motors
835 Main Street
Winnipeg, Manitoba

48 - (C) Art C. Neely, Inc.
825 Keeaumoku Street
Honolulu 14, Hawaii

(Over)

MANUFACTURER'S WARRANTY

It is expressly agreed that there are no warranties, expressed or implied, made by either the Distributor or the Manufacturer on Chicago Pneumatic Automotive Service Tools except the Manufacturer's warranty against defective materials or workmanship as follows: The Company agrees to repair or duplicate F.O.B. its authorized service stations, any part of its own manufacture proving to its satisfaction to be defective from faulty workmanship or material, provided written notice is given immediately upon discovery of such defect and the defective part is promptly returned by an authorized service station to the place of manufacture, all carrying charges prepaid. Outside purchased equipment and accessories are guaranteed only to the extent that the Company recovers under the original manufacturer's guarantee. The Company shall not be held liable for any contingent damages or delays caused by defective material and will make no allowance for repairs or alterations made without written consent.
This warranty shall not apply to any tool which shall have been repaired or altered nor to expendable parts nor to tools which have been subject to mis-use, negligence or accident.

Do not ship tools to a Chicago Pneumatic Tool Company branch or manufacturing plant for service. Repair parts are available only at authorized Service Stations. (See list other side.) We recommend that tool owners secure parts or service through the Automotive Jobber from whom they purchased their CP Tools. Check with nearest Chicago Pneumatic Branch Office for name of other Chicago Pneumatic Jobbers in your area.

When forwarding a tool for repair, please mark on the packing slip the following information:

1. Reason for forwarding the tool (some idea of what is wrong).
2. Whether the tool is under warranty (within 90 days of original user purchase).
3. If under warranty, give owner's and Jobber's name and address, also the actual original user purchase date.
4. Whether an estimate of repairs is needed before the tool is to be repaired.

CHICAGO PNEUMATIC BRANCH OFFICES

ATLANTA 9, GA. . . . . 517 Armour Circle, N.E. (Phone: 404-874-8696)
BIRMINGHAM 4, ALA. . . . . 810 5th Avenue North (Phone: 205-251-6289)
BOSTON, MASS. . . . . 76 Lincoln St. (Brighton 35) (Phone: 617 ST-2-8088)
BUFFALO 23, N. Y. . . . . 1591 Kenmore Avenue (Phone: 716 TRinity 3-1067)
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